Fujitsu recommends Windows.

# Data Sheet
# FUJITSU ESPRIMO X923-T Desktop PC

## Evolutionary PC for the Modern Office

The sophisticated FUJITSU ESPRIMO X923-T has all the advantages of a PC plus a multi-position 58.4 cm (23-inch) touch display and innovative easy log-in features. Achieve significant TCO savings with DeskView and Intel® vPro™ technology and protect confidential data with the integrated TPM module. The Low Power Active Mode supports a wide range of new usage scenarios like telephony and video conferencing.

**Human centric**
Benefit from a neat and efficient desk and optimum working positions to work as effectively as possible
- This PC features a 58.4 cm (23-inch) widescreen IPS-panel and an adjustable display for the ideal working position

**Always available office PC**
Saves energy and provides businesses with a wide range of new usage scenarios like telephony and video conferencing
- Low Power Active Mode combined with optional multi-media module

**Multi-touch operations**
Enables a highly efficient workflow and supports new interactive working scenarios in the office
- Excellent ergonomic operations with multi-touch screen for the next generation user interface

**Energy efficiency coupled with intelligent performance**
Best-in-class regarding power consumption combined with high levels of performance
- 4th generation Intel® Core™ processor family and a power supply with up to 93% efficiency

**Manageability and security**
Simple system administration for complex IT infrastructures and excellent levels of data protection
- Intel® vPro™ technology (depending on processor) and DeskView manageability tools, integrated TPM and EraseDisk option

# Components

| | |
|---|---|
| **Processor** | Intel® Core™ i7-4785T processor (4 Cores / 8 Threads, 2.20 GHz, up to 3.2 GHz, 8 MB, Intel® HD Graphics 4600) * |
| | Intel® Core™ i5-4590T processor (4 Cores / 4 Threads, 2.00 GHz, up to 3.0 GHz, 6 MB, Intel® HD Graphics 4600) * |
| | Intel® Core™ i3-4160T processor (2 Cores / 4 Threads, 3.10 GHz, 3 MB, Intel® HD Graphics 4400) |
| | Intel® vPro™ Logo with Intel® Core i5 and Core i7 processors<br>*with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables) |
| **Operating systems** | |
| **Operating system** | Windows 8.1<br>Windows 8.1 Pro<br>Windows 7 Professional 64-bit<br>Windows 7 Professional 32-bit |
| **Multimedia module (optional)** | |
| **Camera** | 2.0 megapixel webcam (full HD) |
| **Microphone** | High quality mono |
| **Presence Sensor** | Ultrasonic sensor |
| **Display** | |
| **Tilt angle** | -5° / +30° up to 90° in vertical touch position |
| **Multi-Touch Support** | yes |
| **Screen Surface Treatment** | Anti-glare |
| **Contrast - advanced** | 10,000,000:1 |
| **Response time typical** | 14 ms |
| **Viewing angle (h/v) - typical** | 178°/178° CR10:1 |
| **Color performance** | 16.7 million colors (Hi-FRC) |
| **Brightness - typical** | 250 cd/m |
| **Aspect ratio** | 16:9 |
| **Diagonal Size** | 58.4 cm (23-inch) |
| **Resolution (native)** | 1,920 x 1,080 pixel |
| **Pixel Pitch** | 0.265 mm |
| **Memory modules** | 2 GB (1 module(s) 2 GB) DDR3, non-ECC, 1,600 MHz, PC3-12800, SO DIMM |
| | 4 GB (1 module(s) 4 GB) DDR3, non-ECC, 1,600 MHz, PC3-12800, SO DIMM |
| | 8 GB (1 module(s) 8 GB) DDR3, non-ECC, 1,600 MHz, PC3-12800, SO DIMM |
| **Hard disk notes** | Up to 20 GB of HDD space is reserved for system recovery<br>SSHD (Solid State Hard Disk, Hybrid drive)<br>SSD (Solid State Disk)<br>SED (Self-Encrypting Drive) |

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| Hard disk drives (internal) | SSHD SATA III, 5,400 rpm, 500 GB, 2.5-inch |
| | SSD SATA III Premium, 512 GB, 2.5-inch |
| | SSD SATA III Premium, 256 GB, 2.5-inch |
| | SSD SATA III Premium, 128 GB, 2.5-inch |
| | SSD SATA III, 256 GB, 2.5-inch, SED |
| | SSD SATA III, 256 GB, 2.5-inch |
| | SSD SATA III, 128 GB, 2.5-inch, SED |
| | SSD SATA III, 128 GB, 2.5-inch |
| | HDD SATA III, 7,200 rpm, 500 GB, 2.5-inch |
| | HDD SATA III, 7,200 rpm, 320 GB, 2.5-inch |
| | HDD SATA III, 5,400 rpm, 320 GB, 2.5-inch |
| | HDD SATA II, 5,400 rpm, 1,000 GB, 2.5-inch* |
| | HDD SATA II, 5,400 rpm, 750 GB, 2.5-inch* |
| | HDD SATA II, 5,400 rpm, 500 GB, 2.5-inch* |
| | HDD SATA II, 5,400 rpm, 320 GB, 2.5-inch* |
| Graphics | DVI to VGA Adapter |
| Interface add on cards/components (optional) | |
| | WLAN 802.11 a/g/n (2x2) and Bluetooth (dedicated regions only, not for Indonesia) |

# Base unit

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| Base unit | ESPRIMO X923-T |
| Mainboard | |
| Mainboard type | D3334 |
| Formfactor | proprietary |
| Chipset | Intel® Q87 |
| Processor socket | LGA 1150 |
| Processor quantity maximum | 1 |
| Memory slots | 2 SO DIMM (DDR3, 1600 MHz) |
| Supported capacity RAM (max.) | 16 GB |
| Memory frequency | 1,600 MHz |
| Memory notes | Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same |
| LAN | 10/100/1,000 MBit/s Intel® I217LM |
| Integrated WLAN | 1 (optional with Bluetooth together) |
| BIOS version | AMI Aptio 4.6 |
| BIOS features | BIOS Flash EPROM update by software<br>Recovery BIOS<br>Unified Extensible Firmware Interface (UEFI) |
| Audio type | On board |
| Audio codec | Realtek ALC282 |
| Audio features | High Definition audio, 5.1 surround sound, Internal stereo speakers |
| I/O controller on board | |
| Serial ATA total | 1 |
| thereof SATA III | 1 |
| Controller functions | Serial ATA II (3 Gbit)<br>Serial ATA III (6 Gbit)<br>NCQ<br>AHCI |

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| **Interfaces** | |
| **Audio: line-out / headphone** | 1 |
| **Audio: line-in / microphone** | 1 |
| **Internal microphones** | optional with camera module |
| **USB 3.0 total** | 6 |
| **USB rear** | 4x3.0 |
| **USB left side** | 2x3.0 |
| **VGA** | 1 (optional via DVI to VGA adapter) |
| **DVI** | 1 (DVI-I) |
| **Ethernet (RJ-45)** | 1 |
| **Interface Module notes** | Anytime USB charge functionality |
| **Input device / components** | |
| **Input devices (optional)** | Optical USB mouse M510 grey<br>Optical USB mouse M510 black<br>USB/PS2 laser combo mouse grey<br>ECO mouse M440 black<br>Black mouse GL9000 blue LED<br>Keyboard KB410 USB black<br>Keyboard KB900 USB black<br>Bluetooth keyboard LX360 black<br>Wireless keyboard mouse Set LX901 black |
| **Drive bays** | |
| **Drive bays total** | 2 |
| **2.5-inch internal bays** | 1 |
| **Drive bay notes** | mSATA connector internal |
| **Graphics on board** | |
| **Graphics brand name** | Intel® HD Graphics 4400, Intel® HD Graphics 4600 |
| **Shared video memory** | up to 1,782 MB |
| **TFT resolution (VGA)** | 1,024 x 768 pixel<br>1,280 x 1,024 pixel<br>1,360 x 768 pixel<br>1,440 x 900 pixel<br>1,600 x 900 pixel<br>1,600 x 1,200 pixel<br>1,680 x 1,050 pixel<br>1,920 x 1,080 pixel |
| **TFT resolution (DVI)** | 1,280 x 1,024 pixel<br>1,360 x 768 pixel<br>1,440 x 900 pixel<br>1,600 x 900 pixel<br>1,680 x 1,050 pixel<br>1,920 x 1,080 pixel<br>1,920 x 1,200 pixel |
| **Graphics features** | Dual display support<br>DirectX® 11.1<br>HDCP support<br>Open CL® 1.2<br>OpenGL® 4.0 |
| **Graphics notes** | up to 1 GB dedicated video memory (main memory owned and locked for graphics use)<br>Tested resolutions, depending on display type additional resolutions and frequencies possible<br>Shared memory depending on main memory size and operating system<br>Resolution (color depth up to 32 Bit/pixel)<br>For TFT we recommend using 60Hz |
| **Electrical values** | |
| **Power efficiency note** | power supply efficiency (at 230V; 10% / 20% / 50% / 100% load) : 86% / 87% / 91% / 92% |
| **Rated voltage range** | 100 V - 240 V |
| **Rated frequency range** | 50 Hz - 60 Hz |

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| **Electrical values** | |
| Operating voltage range | 90 V - 264 V |
| Operating line frequency range | 47 Hz - 63 Hz |
| Max. output of single power supply | 90 W (integrated in system) |
| Power factor correction/active power | active |
| **Power consumption** | |
| Power consumption note | See white paper Energy Consumption |
| Link to Energy White Paper | http://docs.ts.fujitsu.com/dl.aspx?id=2b2f60ec-7ebd-4816-ade0-079db63896e2 |
| **Heat dissipation** | |
| Heat dissipation notes | See white paper Energy Consumption |
| **Noise emission** | |
| Related Processors for noise | Intel® Core™ i7 4785T |
| Standard noise emission | 2x2 GB, HDD, Windows<br>According to ISO 7779:2010, ECMA-74 |
| Standard noise notes / description | A-weighted sound power level Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (in dB(A)) |
| Standard noise operation mode: CPU 50% load | 4.3 B / 29 dB(A) Bystander; 30 dB(A) Operator position |
| Standard noise operation mode: HDD load | 3.3 B / 19 dB(A) Bystander; 20 dB(A) Operator position |
| Standard noise operation mode: Idle mode | 3.2 B / 18 dB(A) Bystander; 19 dB(A) Operator position |
| Standard noise operation mode: ODD load | n.a. |
| Standard noise operation mode: Office applications 2.0 | 3.2 B / 18 dB(A) Bystander; 19 dB(A) Operator position |
| Blue angel noise emission according certification | According to ISO 7779:2010, ECMA-74<br>for max. possible configuration |
| Blue angel noise notes / description | A-weighted sound power level Lwad (in B); 1B = 10dB |
| **Dimensions / Weight / Environmental** | |
| Dimensions (W x D x H) | 554 x 225 x 433 mm<br>21.81 x 8.86 x 17.0 inch |
| Operating position | Vertical |
| Weight | 8.62 kg |
| Weight (lbs) | 19.03 lbs |
| Weight notes | Actual weight may vary depending on configuration |
| Operating ambient temperature | 10 - 35 °C (50 - 95 °F) |
| Operating relative humidity | 5 - 85 % (relative humidity) |
| **Compliance** | |
| Product | ESPRIMO X923-T |
| Model | TSX1 |
| Germany | TÜV GS |
| Europe | CE |
| USA/Canada | FCC Class B<br>cCSAus |
| Global | RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronic equipment)<br>Microsoft Operating Systems (HCT / HCL entry / WHQL)<br>EPEAT® Gold (dedicated regions)<br>ENERGY STAR® 6.0 (dedicated regions) |
| Compliance link | http://globalsp.ts.fujitsu.com/sites/certificates |

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| **Additional Software** | |
| **Additional software (preinstalled)** | Workplace Protect (secure authentication solution)<br>Adobe® Reader® (pdf reader)<br>McAfee Multi Access Security (anti-virus and internet security software; 60 days trial version)<br>Win7: Fujitsu Recovery (hard disk based recovery)<br>Win8: Microsoft Push Button Recovery (hard disk based recovery)<br>Microsoft Office (buy license to activate the pre-installed Microsoft Office) |
| **Additional software (optional)** | Recovery DVD for Windows®<br>Drivers & Utilities DVD (DUDVD) |
| **Manageability** | |
| **Manageability technology** | DeskUpdate Driver management<br>PXE 2.1 Boot code<br>Wake up from S5 (off mode)<br>iAMT 9.0 (depending on CPU)<br>WoL (Wake on LAN) |
| **Manageability software** | DeskView Client<br>DeskView Instant BIOS Management |
| **DeskView components** | Inventory Management<br>BIOS Management<br>Driver Management<br>Security Management<br>Alarm Management |
| **Supported standards** | DMI<br>PXE<br>WMI |
| **Manageability link** | http://www.fujitsu.com/fts/manageability |
| **Security** | |
| **Physical Security** | Kensington Lock support |
| **System and BIOS Security** | EraseDisk (optional)<br>Boot sector virus protection<br>Write protect option for the Flash EPROM<br>Embedded security (TPM 1.2)<br>Control of all USB interfaces<br>External USB ports can be disabled separately<br>Control of external interfaces |
| **User Security** | User and supervisor BIOS password<br>Hard disk password<br>Access protection via internal SmartCard reader (optional)<br>Access protection via external SmartCard reader (optional) |
| **Packaging information** | |
| **Packaging dimension (mm)** | 648 x 275 x 545 mm |
| **Packaging dimension (inch)** | 25.51 x 10.83 x 21.46 inch |
| **Max. quantity / pallet** | 16 |
| **Material - Weight (g) Carton** | 1300 g |
| **Material - Weight (lbs) Carton** | 2.87 lbs |
| **Material - Weight (g) EPS / PS** | 680 g |
| **Material - Weight (lbs) EPS / PS** | 1.5 lbs |
| **Material - Weight (g) PE** | 10 g |
| **Material - Weight (lbs) PE** | 0.02 lbs |
| **Packaging notes** | printed user documentation is bleached in chlorin free process |
| **Warranty** | |
| **Standard Warranty** | 3 years |
| **Service level** | Bring-In / Onsite Service (for countries within region FTS CEMEA&I, for all other countries depending on local regulations, minimum: 2 years material warranty) |
| **Warranty Terms & Conditions** | http://support.ts.fujitsu.com/warranty |
| **Product Support Services - the perfect extension** | |
| **Recommended Service** | 9x5, Response Time: Next Business Day |

| Warranty | |
|---|---|
| **Spare Parts availability** | 5 years after end of product life |
| **Service Weblink** | http://www.fujitsu.com/fts/services/support |

# Recommended Accessories

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| **Display X23T-1 MHL** | | Looking for a display that offers excellent IPS picture performance, the latest slim, frameless design and excellent entertainment features? Fujitsu's X23T-1 MHL is your first choice when it comes to connecting HDMI devices as well as smartphones. It is a member of the FUJITSU X Line family, incorporates 3 different technologies in a monolith design, and a uniform appearance at the workplace is ensured.<br>Energy Efficiency Class: A | Order Code:<br>S26361-K1444-V160 |
| **UC&C USB Headset Stereo H650e** | | The UC&C USB Headset Stereo H650e is the ultimate in style and functionality. Long, uncomfortable work calls are a thing of the past thanks to the cushioned ear pads and crystal clear sound. Adjustable headband and microphone provides the perfect fit for everyone. Optimized for Microsoft® Lync™ the headset displays a red 'in-call' LED to let your co-workers know when you're available, thus helping to boost office productivity. | Order Code:<br>S26391-F7139-L10 |
| **Wireless Keyboard Set LX901** | | The Wireless Keyboard LX901 is a top of the line desktop solution for lifestyle orientated customers, who want only the best for their desk. This superb keyboard set with offers ambitious users more functions, security and better features than a conventional interface device. It even includes 2.4 GHz technology and 128 AES encryption for security. | S26381-K565-L4** (**: Country specific variation) |

# More information

## Fujitsu OPTIMIZATION Services

In addition to FUJITSU ESPRIMO X923-T, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

**Fujitsu Portfolio**
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

**Computing Products**
www.fujitsu.com/global/products/computing/

**Software**
www.fujitsu.com/software/

## More information

Learn more about FUJITSU ESPRIMO X923-T, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts/ESPRIMO

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment

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